

**Syllabus with Weightage of marks, for Written Examination Objective Paper for the post of Technical Assistant (Civil)**

- The Written Examination objective Question Paper of 100 marks shall comprise of 100 Objective type questions under four Sections A, B, C & D, with 4 Multiple choices for each objective question.
- The total duration shall be 2 ½ hours.

<b>Sr. No.</b>	<b>Name of the Subject</b>	<b>Number of Questions</b>	<b>Weightage of marks</b>
1	<b><u>Section A</u></b> Engineering Mechanics Buildings Material and Construction Surveying	25	25
2	<b><u>Section B</u></b> Structural Analysis Design of steel structures Design of concrete structures	25	25
3	<b><u>Section C</u></b> Transportation Engineering Environmental Engineering Geotechnical Engineering	25	25
4	<b><u>Section D</u></b> Estimation, Costing & Evaluation Construction Machinery and Project Management Irrigation and Water Resource Engineering	25	25
	<b>Total</b>	<b>100</b>	<b>100</b>

**Syllabus with Weightage of marks, for Written Examination Objective Paper for the post of Technical Assistant (Mechanical/Electrical)**

- The Written Examination objective Question Paper of 100 marks shall comprise of 100 Objective type questions under two Sections A and B with 4 Multiple choices for each objective question.
- The total duration shall be 2 ½ hours.

Sr. No.	Name of the Subject	Number of Questions	Weightage of marks
1	<b><u>Section A (Common)</u></b> Engineering Mechanics Fundamentals of Electrical Engineering Fundamentals of Electronics & Telecommunication Engineering	25	25
2	<b><u>Section B for Electrical</u></b> Electrical Machines Electrical Measurements and Measuring Instruments Electrical circuit analysis and synthesis Electronic Devices and circuits Analog and Digital communication Power Electronics Electrical Power Switchgear and protection Flexible AC Transmission system  <b><u>OR</u></b>  <b><u>Section B for Mechanical</u></b> Electrical Technology Engineering Measurements and Metrology Applied Thermodynamics Digital Electronics and microcontroller applications Energy Conversion Mechatronics Refrigeration and Air conditioning Automobile Engineering CAD and FEA	75	75
	<b>Total</b>	<b>100</b>	<b>100</b>

**Syllabus with Weightage of marks, for Written Examination Objective Paper for the post of Technical Assistant (Computer/Electronics/Information Technology)**

- The Written Examination objective Question Paper of 100 marks shall comprise of 100 Objective type questions under two Sections A and B, with 4 Multiple choices for each objective question.
- The total duration shall be 2 ½ hours.

<b>Sr. No.</b>	<b>Name of the Subject</b>	<b>Number of Questions</b>	<b>Weightage of marks</b>
1	<b><u>Section A (Common)</u></b> Fundamentals of Computer Engineering Fundamentals of Electronics and Telecommunication Engineering Fundamentals of Electrical Engineering Operating Systems Microprocessor & Interfacing	50	50
2	<b><u>Section B for Computers</u></b> Computer Organisation Database Management System Web Technology Device interface and PC Maintenance Network Programming  <b><u>OR</u></b>  <b><u>Section B for Electronics</u></b> Electronic Devices & Circuits Analog Communication Digital Communication Digital signal processing Linear In0tegrated Circuits  <b><u>OR</u></b>  <b><u>Section B for IT</u></b> Computer Organisation Database Management System Web Technology Computer Cryptography Software testing & Quality Assurance	50	50
	<b>Total</b>	<b>100</b>	<b>100</b>

**Syllabus with Weightage of marks, for Written Examination Objective Paper for the post of Technical Assistant (Mining)**

- The Written Examination objective Question Paper of 100 marks shall comprise of 100 Objective type questions under four Sections A, B, C & D, with 4 Multiple choices for each objective question.
- The total duration shall be 2 ½ hours.

<b>Sr. No.</b>	<b>Name of the Subject</b>	<b>Number of Questions</b>	<b>Weightage of marks</b>
1	<b><u>Section A</u></b> Engineering Mechanics Elements of Mining Engineering Fluid Mechanics and Machinery	25	25
2	<b><u>Section B</u></b> Mine Surveying Mining Geology Rock Mechanics and ground control	25	25
3	<b><u>Section C</u></b> Mining Machinery Electrical Drives and Digital Electronics Surface Mining	25	25
4	<b><u>Section D</u></b> Mine Environment Mine Disaster Management Mine Management and Legislation	25	25
	<b>Total</b>	<b>100</b>	<b>100</b>

**Syllabus with Weightage of marks, for Written Examination Objective Paper for the post of Junior Engineer(Civil)**

- The Written Examination objective Question Paper of 100 marks shall comprise of 100 Objective type questions under four Sections A, B, C & D, with 4 Multiple choices for each objective question.
- The total duration shall be 2 ½ hours.

<b>Sr. No.</b>	<b>Name of the Subject</b>	<b>Number of Questions</b>	<b>Weightage of marks</b>
1	<b><u>Section A</u></b> Engineering Mechanics Engineering Materials Buildings Construction	25	25
2	<b><u>Section B</u></b> Hydraulics Concrete Technology Surveying	25	25
3	<b><u>Section C</u></b> Public Health Engineering Transportation Engineering Construction Management	25	25
4	<b><u>Section D</u></b> Design of RCC Structures Design of steel Structures Analysis of Structures	25	25
	<b>Total</b>	<b>100</b>	<b>100</b>

**Syllabus with Weightage of marks, for Written Examination Objective Paper for the post of Junior Engineer(Mechanical/Electrical)**

- The Written Examination objective Question Paper of 100 marks shall comprise of 100 Objective type questions under two Sections A and B, with 4 Multiple choices for each objective question.
- The total duration shall be 2 ½ hours.

<b>Sr. No.</b>	<b>Name of the Subject</b>	<b>Number of Questions</b>	<b>Weightage of marks</b>
1	<b><u>Section A (Common)</u></b> Engineering Materials Elements of Electrical Engineering Elements of Mechanical Engineering	25	25
2	<b><u>Section B for Electrical</u></b> Electrical Machines Electrical Measurements and Instrumentation Electronic Instrumentation Circuit Theory Distribution and Estimation Switchgear and protection Power Generation Transmission & Distribution  <b><u>OR</u></b> <b><u>Section B for Mechanical</u></b> Hydraulics Machinery Engineering Metrology Engineering Mechanics Thermal Engineering Manufacturing Process Refrigeration and Air conditioning CAD and CAM	75	75
	<b>Total</b>	<b>100</b>	<b>100</b>

**Syllabus with Weightage of marks, for Written Examination Objective Paper for the post of Junior Engineer (Computer/Electronics/Information Technology))**

- The Written Examination objective Question Paper of 100 marks shall comprise of 100 Objective type questions under two Sections A and B, with 4 Multiple choices for each objective question.
- The total duration shall be 2 ½ hours.

<b>Sr. No.</b>	<b>Name of the Subject</b>	<b>Number of Questions</b>	<b>Weightage of marks</b>
1	<b><u>Section A (Common)</u></b> Engineering Materials Basic Electrical Engineering Basic Electronics Engineering	25	25
2	<b><u>Section B for Computer / IT</u></b> Computer Hardware Computer Organisation Operating systems Computer security Network management Internet Technology & Web Design  <b><u>OR</u></b>  <b><u>Section B for Electronics</u></b> Electronics Circuit Digital Electronics Electronic Instrumentation Power Electronics Analog Communication Electronic Measurement	75	75
	<b>Total</b>	<b>100</b>	<b>100</b>